

Appendix table 3-24

**Worldwide, domestic, and foreign R&D employment, by selected characteristics: 2009**

Characteristic	NAICS Code	Worldwide employees (1,000s)	Domestic employees		Foreign employees	
			Number (1000s)	Percent	Number (1000s)	Percent
Total		1,879	1,424	76	454	24
Manufacturing industries	31–33	1,137	850	75	287	25
Chemicals	325	201	157	78	44	22
Machinery	333	82	65	79	18	22
Computer and electronic products	334	371	260	70	111	30
Electrical equipment, appliances, and components	335	45	25	56	21	47
Transportation equipment	336	220	167	76	53	24
All other manufacturing industries	multiple	218	176	81	40	18
Nonmanufacturing industries	21–23, 42–81	742	574	77	167	23
Information	51	295	206	70	89	30
Professional, scientific, and technical services	54	374	307	82	67	18
All other nonmanufacturing industries	multiple	73	61	84	11	15
Broad occupation	–					
Engineers and their managers	–	1,097	807	74	289	26
Scientists and their managers	–	236	192	81	44	19
Technicians and technologists	–	318	247	78	71	22
Support staff (clerical and others)	–	228	179	79	50	22
Highest academic degree <sup>a</sup>	–	1,332	999	75	333	25
Doctorate <sup>b</sup>	–	155	128	83	27	17
Other college degree	–	976	739	76	237	24
Other education	–	202	132	65	70	35
Sex	–					
Female	–	462	348	75	116	25
Male	–	1,415	1,076	76	340	24

NAICS = North American Industry Classification System

<sup>a</sup>Only includes engineers and their managers and scientists and their managers.<sup>b</sup>Includes EngD, ScD; excludes MD, JD, and EdD.

NOTES: Data are representative of companies where worldwide R&D expense + worldwide R&D costs funded by others > 0. Includes 2002 North American Industry Classification System (NAICS) codes 21–23, 31–33, 42–81. BRDIS does not include companies with fewer than five domestic employees. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Business R&amp;D and Innovation Survey (2009 preliminary).

*Science and Engineering Indicators 2012*